

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)										ATTY. DOCKET NO. I-1-0064.5US		SERIAL NO. 10/757,222	
										APPLICANT Kaewell Jr. et al.			
										FILING DATE January 14, 2004		GROUP Not Yet Known	
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA*	3	9	7	8	2	9	2	8/76	Hill et al.			
	AB*	4	1	3	0	7	3	1	12/78	D.R. Bolgiano et al.			
	AC*	4	2	3	9	9	4	1	12/80	Gauthier et al.			
	AD*	4	2	7	2	6	5	0	6/81	D.R. Bolgiano et al.			
	AE*	4	2	7	3	9	6	4	6/16/81	Szpindel			
	AF*	4	3	6	5	1	1	6	12/82	Pira et al.			
	AG*	4	4	3	6	9	6	0	3/84	Harmon, Jr.			
	AH*	4	4	7	7	6	9	7	10/16/84	Judd et al.			
	AI*	4	5	0	9	1	9	9	4/85	M. Ichihara			
	AJ*	4	5	7	7	3	1	5	3/86	S. Otsuka			
	AK*	4	5	8	4	5	7	6	4/22/86	Forestier et al.			
	AL*	4	6	3	1	3	6	1	12/86	Miller			
	AM*	4	6	7	5	8	6	3	6/87	E. Paneth et al.			
	AN*	4	7	1	3	8	0	9	12/87	Y. Mizota			
	AO*	4	7	3	1	8	1	4	3/15/88	Becker et al.			
	AP*	4	7	7	7	6	3	3	10/88	T.E. Fletcher et al.			
	AQ*	4	7	9	4	6	4	9	12/88	Fujiwara			
	AR*	4	8	6	6	7	6	6	12/89	Mitzlaff			
	AS*	4	9	2	4	5	1	1	5/90	Burns et al.			
	AT*	4	9	6	2	5	2	7	10/9/90	Burns et al.			
	AU*	4	9	6	4	1	2	1	10/16/90	Moore			
	AV*	5	0	0	8	9	0	0	4/91	D.N. Critchlow et al.			

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U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AW*	5	1	5	0	3	6	1	9/92	Wieczorek et al.			
	AX*	5	1	9	3	2	1	1	3/93	H. Nobusawa			
	AY*	5	1	9	3	2	1	2	3/93	J. Son			
	AZ*	5	2	0	3	0	2	0	4/93	H. Sato et al.			
	BA*	5	2	4	1	5	4	2	8/93	Natarajan et al.			
	BB*	5	2	7	8	8	3	1	1/94	Mabay et al.			
	BC*	5	2	8	0	6	4	4	1/94	Vannatta et al.			
	BD*	5	3	7	1	7	3	4	12/94	Fischer			
	BE*	5	3	9	2	2	8	7	2/95	Tiedemann Jr., et al.			
	BF*	5	5	9	4	7	3	7	1/97	Pillekamp			
	BG*	5	6	6	6	3	5	5	9/97	Huah et al.			

  

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	BH*	6	2	7	2	2	3	8	1987	Japan				
	BI*	0	3	5	8	1	6	6	3/14/90	EPO				
	BJ*	4	3	1	5	3	2	0	1992	Japan				
	BK*	4	2	7	8	7	5	7	1992	Japan				
	BL*	5	3	1	6	0	5	9	1993	Japan				
	BM*	6	9	7	9	9	3		1994	Japan				
	BN*	W	O	94	10	8	1	2	5/11/94	PCT				
	BO*	7	2	0	2	7	8	9	1995	Japan				
	BP*	8	1	9	0	4	1		1996	Japan				

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BQ*	3	9	1	6	1	1	0	10/1975	Lee et al.			
	BR*	4	3	1	7	9	6	3	3/1982	Chea Jr.			
	BS*	4	8	7	0	6	9	8	9/1989	Katsuyama et al.			
	BT*	4	4	3	6	9	6	0	3/1984	Harmon Jr.			
	BU*	4	4	7	7	6	9	7	10/1984	Judd et al.			
	BV*	4	7	3	1	8	1	4	3/1988	Becker et al.			
	BW*	5	2	8	7	5	5	5	2/1994	Wilson et al.			
	BX*	5	5	9	4	7	3	7	1/1997	Pillekamp			

  

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
		YES	NO											
	BY*	58	08	7	9	2	3	A	5/1983	Japan				
	BZ*	02	28	0	6	3	6	A	11/1990	Japan				
	CA*	0	4	5	2	8	7	7	10/91	Europe				
	CB*	0	4	9	4	4	5	9	7/92	Europe				
	CC*	9	3	0	6	6	8	2	4/93	PCT				

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	CD*	
	CE*	Multiple-Line-Subscriber Quad-Line-Module (QLM) Schematic, Nexus Applied Research, Inc., 11/5/93
	CF*	D.M. Beaupre, "Five Years of IDMA Subscriber Radio", pp. 375-379, IEE International Conference on Communications ICC '83, June 19-22, 1983, Boston, MA
	CG*	D.M. Beaupre et al., "A New Point to Multipoint Microwave Radio System", pp. 47-51, 6th International Symposium on Subscriber Loops and Services (ISSLS 84), Nice, 1-5 Oct. 1984

  

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	CH*	4	4	7	7	6	9	7	10/1984	Judd et al.			
	CI*	4	5	8	4	5	7	6	4/1986	Forestier et al.			
	CJ*	4	8	4	1	5	6	5	6/1989	Siligoni et al.			
	CK*	4	9	4	2	6	0	0	07/1990	Kaisha			
	CL*	5	0	0	1	7	4	8	3/1991	Burns et al.			
	CM*	5	1	4	0	6	9	8	8/1992	Toko			
	CN*	5	3	0	3	4	2	0	4/1994	Jang			
	CO*	5	3	2	3	4	5	6	6/1994	Oprea			

  

FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES	NO
	CP*	0	3	5	8	1	6	6	3/1990	EP					
	CQ*	9	4	1	0	8	1	2	05/1994	PCT					
	CR*	9	4	1	0	8	1	2	5/1994	WO					
	CS*	7	3	2	1	6	9	4	1995	Japan					

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
CT*	Richard E. Pavelka, "Ringin, Tone and Cadence Requirements for Nonswitched Loads in Digital Central Offices", Intelec '88,-Tenth International Telecommunications Energy, 30 October 1988 (1988-10-30), pages 326-333
CU*	Datasheet of the AMD AM79535 Subscriber Line Interface, issued by AMD July 1998 XP002200906

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